

SEQUENCE LISTING

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McSwiggen, James

<120> RNA Interference Mediated Inhibition Of Cholesteryl Ester Transfer
Protein (CEPT) Gene Expression Using Short Interfering Nucleic Acid
(siNA)

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<150> US 10/864,044
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<223> n stands for thymidine

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<210> 220
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inverted nucleotide or other terminal cap that is optionally present

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<400> 305
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<210> 306
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 (optionally present)

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(optionally present)

<220>
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<222> (20)..(21)
<223> n stands for any nucleotide

<400> 307
nnnnnnnnnnn nnnnnnnnnnn n

21

<210> 308
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: siNA antisense region

<220>
<221> misc_feature
<222> (1)..(19)
<223> n stands for any nucleotide wherein any pyrimidine nucleotide present is
2'-Fluoro and any purine nucleotide present is 2'-O-methyl

<220>
<221> misc_feature
<222> (20)..(20)
<223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage
(optionally present)

<220>
<221> misc_feature
<222> (20)..(21)
<223> n stands for any nucleotide

<220>
<221> misc_feature
<222> (21)..(21)
<223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic
(optionally present)

<400> 308
nnnnnnnnnnn nnnnnnnnnnn n

21

<210> 309
<211> 21

<212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: siNA sense region

 <220>
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 <222> (1)..(19)
 <223> n stands for any nucleotide wherein any pyrimidine nucleotide present is 2'-O-methyl or 2'-Fluoro

 <220>
 <221> misc_feature
 <222> (20)..(21)
 <223> n stands for any nucleotide

 <220>
 <221> misc_feature
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 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> 3'-3 attached terminal deoxyabasic moiety, inverted abasic, inverted nucleotide or other terminal cap that is optionally present

 <400> 309
 nnnnnnnnnnn nnnnnnnnnnn n

21

<210> 310
 <211> 21
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: siNA antisense region

 <220>
 <221> misc_feature
 <222> (1)..(19)
 <223> n stands for any nucleotide wherein any pyrimidine nucleotide present is 2'-Fluoro

 <220>
 <221> misc_feature
 <222> (20)..(20)
 <223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage (optionally present)

 <220>
 <221> misc_feature
 <222> (20)..(21)

<223> n stands for any nucleotide

<220>

<221> misc_feature

<222> (21)..(21)

<223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic
(optionally present)

<400> 310

nnnnnnnnnnn nnnnnnnnnn n

21

<210> 311

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: siNA sense region

<220>

<221> misc_feature

<222> (1)..(19)

<223> n stands for any nucleotide wherein any pyrimidine nucleotide present is
2'-Fluoro and any purine nucleotide present is 2'-Deoxy

<220>

<221> misc_feature

<222> (20)..(21)

<223> n stands for any nucleotide

<220>

<221> misc_feature

<222> (1)..(1)

<223> 5'-3 attached terminal deoxyabasic moiety, inverted abasic,
inverted nucleotide or other terminal cap that is optionally present

<220>

<221> misc_feature

<222> (21)..(21)

<223> 3'-3 attached terminal deoxyabasic moiety, inverted abasic,
inverted nucleotide or other terminal cap that is optionally present

<400> 311

nnnnnnnnnnn nnnnnnnnnn n

21

<210> 312

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: siNA sense region

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 <223> n stands for any nucleotide wherein any pyrimidine nucleotide present is 2'-Fluoro

<220>
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 <222> (20)..(21)
 <223> n stands for any nucleotide

<220>
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<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> 3'-3 attached terminal deoxyabasic moiety, inverted abasic, inverted nucleotide or other terminal cap that is optionally present

<400> 312
 nnnnnnnnnnn nnnnnnnnnnn n 21

<210> 313
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
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<220>
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 <222> (1)..(19)
 <223> n stands for any nucleotide wherein any pyrimidine nucleotide present is 2'-Fluoro and any purine nucleotide present is 2'-Deoxy

<220>
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 <222> (20)..(20)
 <223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage (optionally present)

<220>
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 <222> (20)..(21)
 <223> n stands for any nucleotide

<220>
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 <222> (21)..(21)
 <223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic

(optionally present)

<400> 313
nnnnnnnnnn nnnnnnnnnn n 21

<210> 314
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
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<220>
<221> misc_feature

<222> (1)..(1)
<223> 5'-3 attached terminal deoxyabasic moiety, inverted abasic,
inverted nucleotide or other terminal cap that is optionally present

<220>
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<222> (21)..(21)
<223> 3'-3 attached terminal deoxyabasic moiety, inverted abasic,
inverted nucleotide or other terminal cap that is optionally present

<220>
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<222> (20)..(21)
<223> n stands for thymidine

<400> 314
cagugauggu gaaauuccun n 21

<210> 315
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
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<223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage
(optionally present)

<220>
<221> misc_feature
<222> (20)..(21)
<223> n stands for thymidine

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<220>
<221> misc_feature
<222> (21)..(21)
<223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic
      (optionally present)

<400> 315
aggaauuuca ccaucacugn n
21

<210> 316
<211> 21
<212> RNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  siNA sense region

<220>
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<223> 2'-O-Methyl

<220>
<221> misc_feature
<222> (5)..(6)
<223> 2'-O-Methyl

<220>
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<222> (8)..(9)
<223> 2'-O-Methyl

<220>
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<222> (11)..(14)
<223> 2'-O-Methyl

<220>
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<222> (1)..(2)
<223> 2'-deoxy-2'Fluoro

<220>
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<222> (4)..(4)

<223> 2'-deoxy-2'Fluoro

<220>
<221> misc_feature
<222> (7)..(7)

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<223> 2'-deoxy-2'Fluoro
 <220>
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 <222> (10)..(10)
 <223> 2'-deoxy-2'Fluoro
 <220>
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 <223> 2'-deoxy-2'Fluoro
 <220>
 <221> misc_feature
 <222> (20)..(20)
 <223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage
 (optionally present)
 <220>
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 <222> (20)..(21)
 <223> n stands for thymidine
 <400> 316
 cagugauggu gaaauuccun n

21

<210> 317
 <211> 21
 <212> RNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: siNA antisense region
 <220>
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 <222> (1)..(5)
 <223> 2'-O-Methyl
 <220>
 <221> misc_feature
 <222> (13)..(13)
 <223> 2'-O-Methyl
 <220>
 <221> misc_feature
 <222> (16)..(16)
 <223> 2'-O-Methyl
 <220>
 <221> misc_feature
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 <223> 2'-O-Methyl
 <220>

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<221> misc_feature
<222> (6)..(12)
<223> 2'-deoxy-2'Fluoro

<220>
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<222> (14)..(15)
<223> 2'-deoxy-2'Fluoro

<220>
<221> misc_feature
<222> (17)..(18)
<223> 2'-deoxy-2'Fluoro

<220>
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<223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage
(optionally present)

<220>
<221> misc_feature
<222> (20)..(21)
<223> n stands for thymidine

<220>
<221> misc_feature
<222> (21)..(21)
<223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic
(optionally present)

<400> 317
aggaauuua ccaucacugn n

<210> 318
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: siNA sense region

<220>
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inverted nucleotide or other terminal cap that is optionally present

<220>
<221> misc_feature
<222> (21)..(21)
<223> 3'-3 attached terminal deoxyabasic moiety, inverted abasic,
inverted nucleotide or other terminal cap that is optionally present

<220>

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<221> misc_feature
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<220>
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<223> 2'-O-Methyl or 2'-deoxy-2'Fluoro

<220>
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<223> 2'-O-Methyl or 2'-deoxy-2'Fluoro

<220>
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<222> (10)..(10)
<223> 2'-O-Methyl or 2'-deoxy-2'Fluoro

<220>
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<222> (15)..(19)
<223> 2'-O-Methyl or 2'-deoxy-2'Fluoro

<220>
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<222> (20)..(21)
<223> n stands for thymidine

<400> 318
cagugauggu gaaauuccun n

21

<210> 319
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
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<223> 2'-deoxy-2'Fluoro

<220>
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<223> 2'-deoxy-2'Fluoro

<220>
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<223> 2'-deoxy-2'Fluoro

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<220>
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 (optionally present)

<220>
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 <222> (20)..(21)
 <223> n stands for thymidine

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic
 (optionally present)

<400> 319
 aggaauuuc ccaucacugn n

21

<210> 320
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
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<220>
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 inverted nucleotide or other terminal cap that is optionally present

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> 3'-3 attached terminal deoxyabasic moiety, inverted abasic,
 inverted nucleotide or other terminal cap that is optionally present

<220>
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 <222> (1)..(1)
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<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> 2'-deoxy-2'Fluoro

<220>
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<222> (7)..(7)
<223> 2'-deoxy-2'Fluoro

<220>
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<222> (10)..(10)
<223> 2'-deoxy-2'Fluoro

<220>
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<222> (15)..(19)
<223> 2'-deoxy-2'Fluoro

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<223> 2'-deoxy

<220>
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<222> (5)..(6)
<223> 2'-deoxy

<220>
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<222> (8)..(9)
<223> 2'-deoxy

<220>
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<222> (12)..(14)
<223> 2'-deoxy

<220>
<221> misc_feature
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<223> n stands for thymidine

<400> 320
cagugauggu gaaauuccun n

21

<210> 321
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
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<220>
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<223> 5'-3 attached terminal deoxyabasic moiety, inverted abasic,
inverted nucleotide or other terminal cap that is optionally present

<220>

<221> misc_feature

<222> (21)..(21)

<223> 3'-3 attached terminal deoxyabasic moiety, inverted abasic,
inverted nucleotide or other terminal cap that is optionally present

<220>

<221> misc_feature

<222> (1)..(1)

<223> 2'-deoxy-2'Fluoro

<220>

<221> misc_feature

<222> (4)..(4)

<223> 2'-deoxy-2'Fluoro

<220>

<221> misc_feature

<222> (7)..(7)

<223> 2'-deoxy-2'Fluoro

<220>

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<222> (10)..(10)

<223> 2'-deoxy-2'Fluoro

<220>

<221> misc_feature

<222> (15)..(19)

<223> 2'-deoxy-2'Fluoro

<220>

<221> misc_feature

<222> (20)..(21)

<223> n stands for thymidine

<400> 321

cagugauggu gaaauuccun n

21

<210> 322

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: siNA antisense region

<220>

<221> misc_feature

<222> (6)..(9)

<223> 2'-deoxy-2'Fluoro

<220>

<221> misc_feature

<222> (11)..(12)

<223> 2'-deoxy-2'Fluoro

<220>

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<222> (8)..(8)

<223> 2'-deoxy-2'Fluoro

<220>

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<222> (11)..(12)

<223> 2'-deoxy-2'Fluoro

<220>

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<222> (14)..(15)

<223> 2'-deoxy-2'Fluoro

<220>

<221> misc_feature

<222> (17)..(18)

<223> 2'-deoxy-2'Fluoro

<220>

<221> misc_feature

<222> (1)..(5)

<223> 2'-deoxy

<220>

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<222> (10)..(10)

<223> 2'-deoxy

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<222> (16)..(16)

<223> 2'-deoxy

<220>

<221> misc_feature

<222> (19)..(19)

<223> 2'-deoxy

<220>
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 <223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage
 (optionally present)

<220>
 <221> misc_feature
 <222> (20)..(21)
 <223> n stands for thymidine

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic
 (optionally present)

<400> 322
 aggaauuuc ccaucacugn n 21

<210> 323
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Target Sequence

<400> 323
 auauaucuau uucg 14

<210> 324
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Complement to Target Sequence

<400> 324
 cgaaauagua uaua 14

<210> 325
 <211> 22
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: appended target/complement

<400> 325

cgaaauagua uauacuauuu cg

22

<210> 326

<211> 24

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Duplex forming oligonucleotide

<220>

<221> misc_feature

<222> (23)..(24)

<223> n stands for thymidine

<400> 326

cgaaauagua uauacuauuu cgnn

24